(1) Publication number:

0 320 500 A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: 89102441.6

(a) Int. Cl.⁵: C12N 15/00, C12N 1/20, A01H 1/00

(22) Date of filing: 22.12.83

(30) Priority: 13.01.83 EP 83100255

43 Date of publication of application: 14.06.89 Bulletin 89/24

- © Publication number of the earlier application in accordance with Art.76 EPC: 0 116 718
- Designated Contracting States:
 AT BE CH DE FR GB IT LI LU NL SE
- Date of deferred publication of the search report: 07.11.90 Bulletin 90/45
- Applicant: Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V. Bunsenstrasse 10 D-3400 Göttingen(DE)
- 2 Inventor: Zambryski, Patricia Holdaal 46

B-9000 Gent(BE)

Inventor: Schell, Josef S.
Max-Planck-Institut Vogelsang

D-5000 Köln 30(DE)

Inventor: Hernaisteens, Jean Pierre E.C.

156 Rans Desmedtstraat B-1150 Brussels(BE)

Inventor: van Montagu, Marc Charles

De Stassart Straat 120 B-1050 Brussels(BE)

Inventor: Herrera Estrella, Luis Rafael

Holdaal 46 B-9000 Gent(BE)

Inventor: Leemans, Jan Josef August

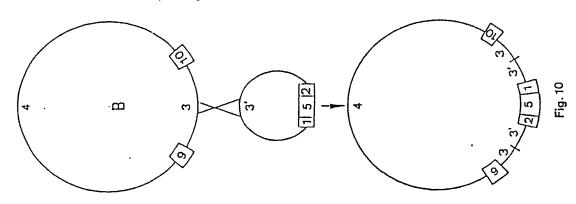
Putsesteenweg 252 B-2920 Bonheiden(BE)

Representative: Vossius & Partner Siebertstrasse 4 P.O. Box 86 07 67 D-8000 München 86(DE)

- Non-oncogenic ti plasmid vector system and recombinant DNA molecules for the introduction of expressible genes into plant cell genomes.
- Described is a non-oncogenic Ti plasmid vector system and recombinant DNA molecules for the introduction of expressible genes into plant cell genomes. Furthermore, corresponding transformed

Agrobacterium strains and processes for the production of plant cells and plants containing foreign DNA sequences are described. (Fig. 10)







EUROPEAN SEARCH REPORT

EP 89 10 2441

7-4	Citation of document with indi	cation, where appropriate,	Relevant	CLASSIFICATION OF THE
Category	of relevant passa		to claim	APPLICATION (Int. Cl.5)
X	THE EMBO JOURNAL, volpages 147-152, IRL Property of the second of the se	ress, Oxford, GB; Genetic Actions of TL-DNA ine crown galls"	1,2,13,	C 12 N 15/00 C 12 N 1/20 A 01 H 1/00
X	JOURNAL OF MOLECULAR GENETICS, vol. 1, no. 149-164, Raven Press LEEMANS et al.: "Site mutagenesis of Agroba plasmids and transfer cells" * Page 160, figure 5 page 155, right-hand	2, 1981, pages New York, US; J. e-specific acterium Ti r of genes to plant plasmid PGV0601;	4-6,8	
P,X	THE EMBO JOURNAL, volpages 2143-2150; P. 2 "Ti plasmid vector for DNA into plant cell alteration of their capacity" * Whole document *	ZAMBRYSKI et al.: or the inroduction lls without	1-3,13, 15,16	TECHNICAL FIELDS SEARCHED (Int. Cl.5) C 12 N A 01 H
P,X	NATURE, vol. 303, 19th May 1983, pages 209-213, Macmillan Journals Ltd; L. HERRERA-ESTRELLA et al.: "Expression of chimaeric genes transferred into plant cells using a Ti-plasmid-derived vector" * Figure 3, plasmid PN01 and legend *		4,5,7,8	
	The present search report has bee	n drawn up for all claims		
	Place of search	Date of completion of the sear	l l	Examiner
THE HAGUE		22-08-1990	I MAI	DOX A.D.

EPO FORM 1503 03.82 (P0401)

X: particularly relevant if taken alone
Y: particularly relevant if combined with another document of the same category
A: technological background
O: non-written disclosure
P: intermediate document

E: earlier patent document, but publi after the filing date

D: document cited in the application
L: document cited for other reasons

&: member of the same patent family, corresponding document

EUROPEAN SEARCH REPORT

Application Number

EP 89 10 2441

	DOCUMENTS CONSID	ERED TO BE RELEVAN	I .		
Category	Citation of document with indi of relevant pass	ication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)	
A	MOLECULAR BIOLOGY OF 1982, pages 537-545, Inc.; J. LEEMANS et a and directed genetic * Whole document *	PLANT TUMOURS, Academic Press al.: Ti plasmids	1-16		
				TECHNICAL FIELDS SEARCHED (Int. Cl.5)	
	The present search report has bee	n drawn up for all claims Date of completion of the search		Examiner	
TH	E HAGUE	22-08-1990	MADI	DOX A.D.	
X: par Y: par doo A: tec	CATEGORY OF CITED DOCUMENT ticularly relevant if taken alone ticularly relevant if combined with anothe cument of the same category hnological background n-written disclosure	T: theory or principl E: earlier patent doc after the filing do the D: document cited in L: document cited fo	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document		